



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/521,252      | 03/08/2000  | Dar-Shyang Lee       | 015358-006300US     | 1607             |

7590 01/20/2004

Townsend and Townsend and Crew LLP  
Two Embarcadero Center 8th Floor  
San Francisco, CA 94111-3834

|          |
|----------|
| EXAMINER |
|----------|

BASHORE, WILLIAM L

|          |              |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2176

DATE MAILED: 01/20/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/521,252

Applicant(s)

LEE ET AL.

Examiner

William L. Bashore

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 March 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-49 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-49 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

Art Unit: 2176

### DETAILED ACTION

1. This action is responsive to communications: original application and IDS, both filed. 3/8/2000.
2. Claims 1-49 are pending. Claims 1, 10, 23, 33, 42 are independent claims.

#### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moran et al. (hereinafter Moran), U.S. Patent No. 5,717,879 issued February 1998 (cited on Applicant's IDS), in view of Ludwig et al. (hereinafter Ludwig), U.S. Patent No. 5,802,294 issued September 1998.

In regard to independent claim 1, Moran teaches management of meeting related information (i.e. recording of meeting information) (Moran Abstract, Figures 12-14; compare with claim 1 "*A method for managing information during a meeting comprising steps of:*").

Moran teaches recording/replay of records of a meeting (Moran Abstract, column 3 lines 33-39, Figures 11-14; compare with claim 1 "*recording activities among participants during said meeting to produce recorded meeting data;*").

Moran teaches accessing meeting data via button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a participant, with each button event indicative of a directive (i.e. a service - indicating a participant who feels something significant is being discussed) (Moran

Art Unit: 2176

column 22 lines 12-20). Moran does not specifically teach identifying said directive via analyzing ongoing recorded meeting data. However, Ludwig teaches a teleconferencing system comprising a video mosaic of each participant (Ludwig, Abstract, Figure 8B, 8C – also note button “Whiteboard” within Figure 8B). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Ludwig to Moran, providing Moran the benefit of recording comments based upon live recorded video feeds from participants in other areas (compare with claim 1 “*identifying a participant directive by analyzing said recorded meeting data....by a participant of said meeting*”).

Moran teaches button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a participant, with each button event indicative of a directive (i.e. indicating a participant who feels something significant is being discussed), resulting in addition of the event to the recording (Moran column 22 lines 12-20, Figures 11, 13; compare with claim 1 “*in response to identifying said participants....during said meeting.*”).

**In regard to dependent claim 2**, Moran teaches tracks 1122-1124, which are starting points of (textual) notes of participants. Since said notes are part of the recorded meeting, said text is analyzed (as explained above) in association with a button press (track 1124) (see Moran column 22 lines 8-25).

**In regard to dependent claim 3**, Moran teaches both audio and video (Moran column 21 lines 25-34, column 22 lines 20-25, Figures 11-14).

**In regard to dependent claim 4**, Moran teaches adding notes (a form of editing/manipulation) to recorded meeting data (Moran Figure 13 item 1302).

**In regard to dependent claim 5**, Moran teaches accessing recorded meeting data via button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a

Art Unit: 2176

participant, with each button event indicative of a directive (i.e. indicating a participant who feels something significant is being discussed) (Moran column 22 lines 12-20).

**In regard to dependent claim 6,** Moran teaches a meeting using human participants, audio, video, textual notes, and prepared material via a projected medium (Moran column 13 lines 1-11, 18-20, Figure 13).

**In regard to dependent claim 7,** Moran teaches accessing recorded meeting data via button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify each participant, with each button event indicative of a directive (i.e. indicating a participant who feels something significant is being discussed – adding a note, accordingly) (Moran column 22 lines 12-20, Figure 13).

**In regard to dependent claim 8,** Moran teaches a meeting player for recording locations of participants, said locations recorded as part of the recorded media to be analyzed for adding directives, accordingly (as explained in the rejection of instant claim 1, above) (Moran Figure 14).

**In regard to dependent claim 9,** Moran teaches a meeting player for recording locations of participants, said locations recorded as part of the recorded media to be analyzed for adding directives, accordingly (as explained in the rejection of instant claim 1, above), each participant is shown in a different geographic location relative to one another (Moran Figure 14).

**In regard to independent claim 10,** Moran teaches management of meeting related information (i.e. recording of meeting information between participants) (Moran Abstract, Figures 12-14; compare with claim 10 “*A method for managing information services during a meeting involving two or more participants comprising steps of:*”).

Art Unit: 2176

Moran teaches recording/replay of records of a meeting utilizing a (continuous timestream) of video, said video can comprise a person (i.e. a participant) standing to speak, said timestream enabled for an entire meeting (Moran Abstract, column 3 lines 33-39, column 22 lines 20-24 Figure 11 item 1125). Moran does not specifically teach said video of a participant as continuously recorded for the duration of said meeting. However, Ludwig teaches a teleconferencing system comprising a video mosaic of a live conference call, with a video of each participant presented for the duration of said call (Ludwig, Abstract, Figure 8B, 8C – also note button “Whiteboard” within Figure 8B). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Ludwig to Moran, providing Moran the benefit of a complete video record of each participant for reference purposes (compare the above to claim 10 “*producing a continuous video recording of at least one of said participants for the duration of said meeting*”).

Moran teaches producing an audio timeline for each participant for the duration of a meeting (Moran Figure 11 items 1119, 1120, 1121; compare with claim 10 “*producing a continuous audio recording of at least one of said participants for the duration of said meeting*”).

Moran teaches storing video/audio streams (Moran column 12 lines 45-50, column 31 lines 44-48; compare with claim 10 “*storing said video and said audio recordings in a data store*”).

Moran teaches accessing meeting data via button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a participant, with each button event indicative of a directive (i.e. a service - indicating a participant who feels something significant is being discussed) (Moran column 22 lines 12-20). Moran does not specifically teach identifying said directive via analyzing ongoing recorded meeting data. However, Ludwig teaches a teleconferencing system comprising a video mosaic of each participant (Ludwig, Abstract, Figure 8B, 8C – also note button “Whiteboard” within Figure 8B). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Ludwig to Moran, providing Moran the benefit of recording comments based upon live recorded video feeds from participants in other areas (compare with claim 10 “*detecting a participant directive based on either or both of said video recording and*

Art Unit: 2176

*said audio recording”, and “providing one or more information-related services based on said participant directive”).*

Moran teaches button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a participant, with each button event indicative of a directive (i.e. indicating a participant who feels something significant is being discussed, as indicated via gestures and utterances of a participant), resulting in addition of the event to the recording (Moran column 22 lines 12-20, Figures 11, 13; compare with claim 10 *“thereby providing information....during said meeting.”*).

**In regard to dependent claim 11**, Moran teaches an input (i.e. recording/capturing) device (Moran column 6 lines 35-39, column 13 lines 1-11).

**In regard to dependent claim 12**, Moran does not specifically teach detecting directives based upon text in video or audio. However, Ludwig teaches teleconferencing whereby a textual note is added to a participant’s data feed (Ludwig Figure 2B – lower left window). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Ludwig to Moran, providing Moran the benefit of participants reacting to textual data for effect.

**In regard to dependent claim 13**, Moran teaches accessing recorded meeting data via button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a participant, with each button event indicative of a directive (i.e. a service - indicating a participant who feels something significant is being discussed – based upon the context of said meeting) (Moran column 22 lines 12-20).

**In regard to dependent claim 14**, Moran teaches accessing recorded meeting data via button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a

Art Unit: 2176

participant, with each button event indicative of a directive (i.e. a service - indicating a participant who feels something significant is being discussed). The note is attached to the recorded meeting accordingly, and information is retrieved to be displayed on an editor, utilizing the continuous timelines, accordingly (Moran column 22 lines 12-20, Figures 11-14).

**In regard to dependent claims 15-17,** Moran teaches accessing recorded meeting data via (input) button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify a participant, with each button event indicative of a directive (i.e. a service - indicating a participant who feels something significant is being discussed). The note is attached to the recorded meeting accordingly, and information is retrieved to be displayed for users, accordingly (Moran column 22 lines 12-20, Figures 11-14).

**In regard to dependent claims 18-19,** Moran teaches accessing, editing, and assimilating information (Moran Figure 8, 11-14, especially Figure 13 item 1302). Moran does not specifically teach establishing a new participant, transmitting/receiving messages, and accessing various networks. However, Ludwig teaches a teleconferencing system utilizing resume, hangup, and adjourn buttons, as well as electronic mail and various networks (i.e. LAN/WAN etc.) (Ludwig Abstract, Figures 2A, 2B, 8A – 8C, column 15 lines 17-31). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Ludwig to Moran, providing Moran the benefit of teleconferencing a meeting.

**In regard to dependent claims 20-21,** Moran does not specifically teach permissions, as claimed. However, Moran teaches accessing recorded meeting data via button events initiated by participants during an ongoing meeting, the event indicators being color coded to identify each participant, with each button event indicative of a directive (i.e. a service - indicating a participant who feels something significant is being discussed (Moran column 22 lines 12-20), providing the claimed equivalent of permissions, since (implicit)



Art Unit: 2176

permission is granted to assign a certain colored button for use by a specific participant. It would have been obvious to one of ordinary skill in the art at the time of the invention to interpret Moran in this fashion, providing Moran the benefit of increased security (and organization) to its recorded meeting.

**In regard to dependent claim 22**, Moran teaches a meeting player showing participants in distinct geographic locations (Moran Figure 14).

**In regard to independent claim 23**, claim 23 reflects the system comprising computer executable instructions used for performing the method as claimed in claim 10, and is rejected along the same rationale.

**In regard to dependent claims 24, 25**, claims 24, 25 reflect the system comprising computer executable instructions used for performing the method as claimed in claim 14, and are rejected along the same rationale.

**In regard to dependent claims 26, 27, 28, 29, 30, 31, 32**, claims 26, 27, 28, 29, 30, 31, 32 reflect the system comprising computer executable instructions used for performing the method as claimed in claims 11, 21, 22, 18, and are rejected along the same rationale.

**In regard to independent claim 33**, claim 33 incorporates substantially similar subject matter as claimed in claims 10, 12, 14, and is rejected along the same rationale.

**In regard to dependent claims 34, 35, 36, 37**, claims 34, 35, 36, 37 incorporate substantially similar subject matter as claimed in claims 10, 14, 17 and are rejected along the same rationale.

Art Unit: 2176

**In regard to dependent claims 38-41**, claims 38-41 incorporate substantially similar subject matter as claimed in claims 10, 20-22, and are rejected along the same rationale.

**In regard to independent claim 42**, claim 42 reflects the system comprising computer executable instructions used for performing the method as claimed in claims 10, 12, 14, 15, and in further view of the following, is rejected along the same rationale.

Moran teaches storage of audio, image, and textual related information (Moran Figures 11-14).

Moran does not specifically teach real-time video and audio. However, Ludwig teaches a teleconferencing system, said system used in real-time (Ludwig Abstract, Figures 8A – 8C). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Ludwig to Moran, providing Moran the benefit of real-time data for use in conference meetings.

**In regard to dependent claims 43-46**, claims 43-46 reflect the system comprising computer executable instructions used for performing the method as claimed in claims 20, 21, 13, 14, and are rejected along the same rationale

**In regard to dependent claims 47-49**, claims 47-49 reflect the system comprising computer executable instructions used for performing the method as claimed in claims 17, 18, 22, and are rejected along the same rationale

### *Conclusion*

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

|              |                           |        |         |
|--------------|---------------------------|--------|---------|
| Shore et al. | U.S. Patent No. 5,760,767 | issued | 06-1998 |
| Tang et al.  | U.S. Patent No. 5,793,365 | issued | 08-1998 |
| Moran et al. | U.S. Patent No. 6,332,147 | issued | 12-2001 |

Art Unit: 2176

Rist, Thomas et al., Adding animated presentation agents to the interface, ACM International Conference on Intelligent User Interfaces, 1997, pages 79-86.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is (703) 308-5807. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached on (703) 305-9792.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

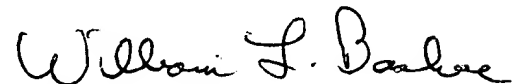
7. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

or faxed to:

(703-872-9306) (for formal/after-final communications intended for entry)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).



William L. Bashore  
Patent Examiner, AU 2176  
January 8, 2004